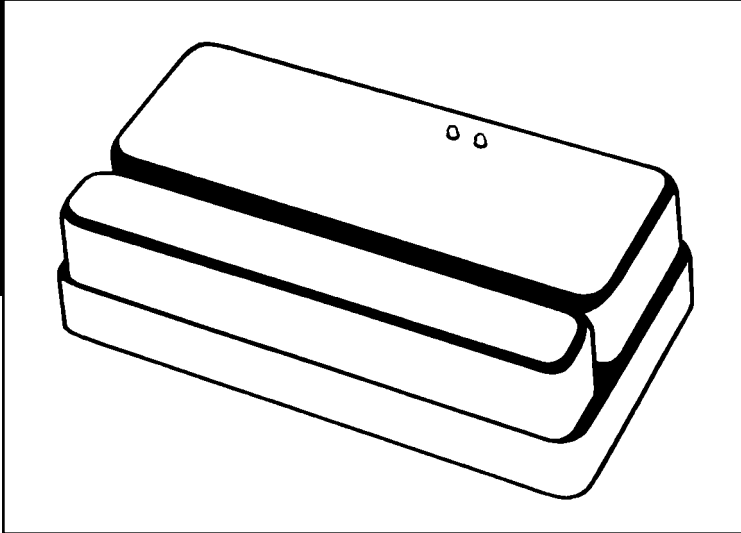# Magnetic Stripe Reading and Relay Operation

for stand alone access control and time and attendance

Smart Mag STA

The Smart Mag STA is a stand-alone access control/time & attendance reader with internal memory, time clock and internal audit trail. The fixed-mount reader contains an internal relay which is used for door control. The portable version is meant for use at monitored stations, such as guard shacks, and uses the LEDs to signal access granted or denied. The audit trail data can be easily uploaded to a PC at any time. Door access is controlled by validation of downloaded badge or I.D. numbers and can be restricted to certain times of day.

- **Portable version available**

- **Scheduling (time/day access restrictions) available**

- **1 and 2 track units available**

- **RS232 or networkable RS422/485 interface**

- **New badge or I.D. numbers easily added by scanning into the reader or by downloading**

Smart Mag STA Specifications

Magnetic Stripe
Track 3 (high density)
Track 2 (low density)
Track 1 (high density)
Magnetic Stripe Direction
Bi-directional
Interfaces
See below
Slot Width
0.050" (1.27 mm)
Indicators
2 programmable LEDs
Memory
128K standard
Temperature
-40° to +85°C standard
Weight
7 ounces (198.5 grams)

Power
5VDC, approximately 150mA
8-15VDC (opt.); 15-30VDC (opt.)
Material
Black polycarbonate
Dimensions
4.6"L x 2.4"W x 1.4"H
(11.68 cm L x 6.10 cm W
x 3.56 cm H)
Relay
1 amp, 35VDC; 1 common
lead, 1 lead normally closed,
1 lead normally open
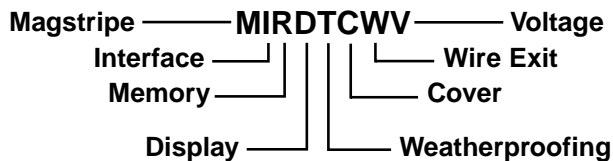**Standard Wiring**
3 ft. (91.5 cm) cable,
flying leads
Displays
8 char. alpha display (opt.)

How to Order

Order Smart Mag STA with a code to indicate options required.

Code

Magstripe —————— **MIRDTCWV** —————— Voltage
Interface ———┘ │ │ └——— Wire Exit
Memory ———┘ │ └——— Cover
Display ———┘ └——— Weatherproofing

Example

Smart Mag STA-221AWMS5=
Smart Mag STA with Magstripe track 2 only,
RS422/485 interface, 128K memory,
alphanumeric display, weatherproofing,
3mm screw size mtg. back cover, side wire
exit and 5VDC supply.

Options Available

Magstripe
Tracks 2 & 3 – 3
Track 2 only – 2
Tracks 1 & 2 – 1
Interface
RS232 – S
RS422/485 – 2
Memory
128K – 1
Display
No display – 0
Alphanumeric display – A
Weatherproofing
No weatherproofing – 0
Weatherproofing – W
Cover
#6 – 6
3mm – M
Wire Exit
Rear – R
Side – S
Internal battery (portable) - I
Side internal jacks (portable) - J
Internal battery/external AC – A
Voltage
5VDC – 5
8-15VDC – 2
15-30VDC – 4